

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 77-31

WASTEWATER RECLAMATION REQUIREMENTS FOR:

CITY OF PETALUMA, MR. WALTER SILACCI AND  
MR. DAN SILACCI, MR. VASCO B. BRAZIL,  
MR. LEROY ROCHE, AND MR. CHARLES MATTERI,  
SONOMA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. On 23 February 1977 the City of Petaluma filed a Report of Waste Discharge on behalf of itself, hereinafter the producer, Walter and Dan Silacci, Vasco B. Brazil, Leroy Roche, and Charles Matteri, hereinafter the users, for the use of reclaimed wastewater. This current application is to increase the acreage and users allowed under Board Order No. 76-56. Approximately one million gallons per day of reclaimed wastewater will be applied by spray irrigation to a maximum total of 1540 acres of fodder crops for dairy cattle.  
  
No dairy cattle will graze on the land sprayed with reclaimed wastewater. The area proposed for wastewater reclamation is shown as Attachment A, which is incorporated herein and made a part of this Order.
2. The users propose to use the wastewater from the wastewater polishing ponds of the City of Petaluma treatment facilities which provide at least secondary treatment. Disinfection would not be provided, and is not required for wastewater used for irrigation of fodder crops under the provisions of the Wastewater Reclamation Criteria, contained in Title 22 of the California Administrative Code.
3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975.
4. The water quality goals to be used in regulating water quality factors as set forth in the Basin Plan include maximum feasible reclamation and reuse of municipal, industrial, and agricultural wastewaters.
5. This project meets the criteria for a Class 4 exemption from the provisions of the California Environmental Quality Act pursuant to Section 15104 of the California Administrative Code (State EIR Guidelines).
6. The wastewater reclamation requirements are in conformance with the "Policy and Action Plan for Water Reclamation in California" adopted by the State Water Resources Control Board 6 January 1977.

7. This Regional Board has notified the producer and users and interested agencies and persons of its intent to prescribe water reclamation requirements for the proposed uses.
8. This Board at a public meeting heard and considered all comments pertaining to this reuse.

IT IS HEREBY ORDERED that the City of Petaluma, Mr. Walter Silacci, Mr. Dan Silacci, Mr. Vasco B. Brazil, Mr. Leroy Roche, and Mr. Charles Matteri shall comply with the following:

A. Reclaimed Wastewater Use Specifications

1. The treatment distribution or reuse of reclaimed water shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The reclaimed water shall be at all times an oxidized water and shall meet the following quality limits at all times:

Settleable Solids	0.5 ml/l-hr maximum
Dissolved Oxygen	1.0 mg/l, minimum
Dissolved Sulfide	0.1 mg/l, maximum
3. Users of reclaimed wastewater shall manage its application so as to minimize mosquito breeding. Users shall comply with requirements of the local Mosquito Abatement District.
4. The use of reclaimed water shall not cause degradation of groundwater suitable for domestic use or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.

B. Prohibitions

1. Wastewater use shall be confined to the area shown in Attachment A, unless written authorization has been obtained from the Executive Officer.
2. Reclaimed wastewater shall not be used for irrigation of crops for human consumption.
3. All necessary measures shall be taken to restrict public access to the wastewater reclamation area.
4. No reclaimed water used for irrigation shall be allowed to escape from the property of user via surface flow, surfacing after percolation, or airborne spray. Reclaimed wastewater shall not be applied within 50 feet of any flowing stream, public highway, house, barn, or pond.

5. Dairy cattle are prohibited from grazing on the areas irrigated with reclaimed wastewater.
6. Fodder crops shall not be harvested when wet from spraying with reclaimed wastewater.
7. Surface drainage channels for the areas irrigated with reclaimed wastewater shall be dammed to prevent any runoff of reclaimed water from entering surface water.
8. Reclaimed wastewater shall not be applied if all sections of this Order are not complied with.

C. Provisions

1. Board Order No. 76-56, adopted 18 May 1976, is hereby rescinded.
2. All equipment, including pumps, piping and valves, storage pond, etc. which may at any time contain waste shall be adequately and clearly identified with warning signs and user shall make all necessary provisions, in addition, to inform the public that the liquid contained therein is sewage and is unfit for human consumption. All fields irrigated with wastewater shall be posted to inform the public that sewage is being used and is unfit for human consumption.
3. This Order includes items numbered 1 through 8 of the attached "Standard Provisions for the Use of Reclaimed Wastewater" dated March 15, 1973. The term "...user..." in the attached "Standard Provisions ..." shall be replaced with "... producer and/or users ..."
4. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the producer and/or user, the producer and/or user shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on April 19, 1977.

FRED H. DIERKER  
Executive Officer

Attachments:

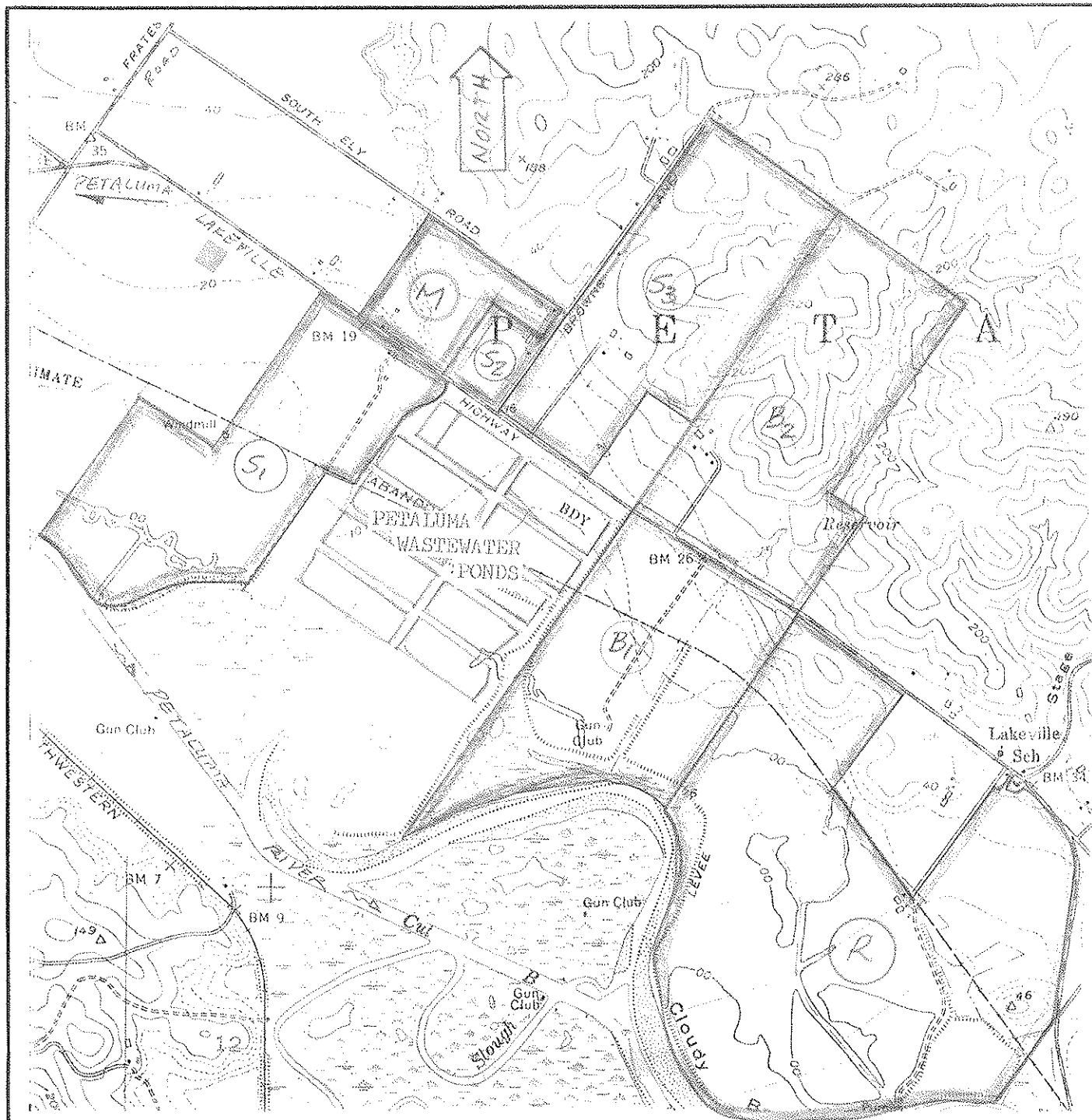
- A - Map
- "Standard Provisions for the Use of Reclaimed Wastewater" dated 3/15/73
- Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

MARCH 15, 1973

STANDARD PROVISIONS  
FOR THE USE OF  
RECLAIMED WATER

1. This Board requests the user to take note of the comments and recommendations contained in all the correspondence the Board has received and considered concerning this matter, and the Executive Officer is directed to transmit copies of that correspondence to the user.
2. This Board considers "Waters of the State" as defined in Section 13050(c) of the California Water Code to include wastewaters over which the user has lost control.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the user from his liabilities under Federal, State, or local laws, nor guarantee the user a capacity right in the receiving waters.
4. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.
5. The user shall file with the regional board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
6. The user shall permit the Regional Board or its authorized representatives:
  - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
  - b. Access to copy any records required to be kept under terms and conditions of this order.
  - c. Inspection of any monitoring equipment or method required by this order.
  - d. Sampling of any discharge.
7. The user shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the user to achieve compliance with the water reclamation requirements.
8. The user shall file with the regional board a report on waste discharge at least 180 days before making any material change or proposed change in the character, location or volume of reuse.



**LEGEND**  
**WASTEWATER RECLAMATION AREAS**

AREAS	OWNERS	ACREAGE (tot.)
B1, B2	VASCO B. BRAZIL	431* Ac.
M	CHARLES MATTERI	62*
R	LEROY ROCHE	551*
S1, S2, S3	DON AND WALTER SILACCI	496* Ac.
		1540* Ac.

Location Map  
USGS Quadrangle  
Petaluma River, Ca.  
1954, rev. 1968  
Scale 1"=2000'

**STATE OF CALIFORNIA**  
**REGIONAL WATER QUALITY CONTROL BOARD**  
**SAN FRANCISCO BAY REGION**

ATTACHMENT "A"  
WASTEWATER RECLAMATION AREAS

**ORDER 77-31**

**DRAWN BY: SIM DATE: 3/4/77 DRWG. NO.**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

City of Petaluma, Walter and Dan Silacchi

Vasco B. Brazil, Leroy Roche and

Charles Matteri, Sonoma County

ORDER NO. 77-31

PART B, ~~ordered~~ 18 May 1976, effective  
18 May 1976 Revised effective  
19 April 1977

## SELF-MONITORING PROGRAM FOR

THE CITY OF PETALUMA, MR. WALTER SILACCI AND MR. DAN  
SILACCI, MR. VASCO B. BRAZIL, MR. LEROY ROCHE, AND  
MR. CHARLES MATTERI, SONOMA COUNTY

### A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as self-monitoring program, are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) to facilitate self-policing of the waste discharge, (3) to develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and (4) to prepare water and wastewater quality inventories.

### B. MONITORING PROGRAM

1. Weekly during use the producer shall take samples of the pond wastewater to be sprayed and monitor the following:
  - a) Settleable Matter            ml/l-hr
  - b) Dissolved Oxygen            mg/l
  - c) Dissolved Sulfide            mg/l (only if Dissolved Oxygen  $\leq$  1.0 mg/l)
2. Each day of spray application of reclaimed wastewater during the first 7 days of application and weekly thereafter the users shall inspect and report on the following:
  - a) Surface drainage canals for evidence of ponded wastewater and possible overflow of runoff from dams to surface waters.
  - b) Extent of spray transport outside the proposed areas for fodder production.
  - c) Presence of odors as a result of spray application of wastewater, noting the presence or absence, character source, and distance and direction of travel.

This shall be verified weekly by the producer.
3. The producer shall (a) identify, and (b) report the quantity of reclaimed wastewater delivered to each user.

4. The users shall report (a) the total quantity of reclaimed wastewater received, and (b) specific quantities for each type of use to which the reclaimed wastewater is applied.

C. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements

In the event the producer or user is unable to comply with the conditions of the wastewater reclamation requirements and prohibitions due to:

- a. Maintenance work, power failures, or breakdown of waste treatment equipment, or
- b. Accidents caused such as acts of nature,

The producer shall notify the Regional Board Office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

2. Regular Self-Monitoring Reports shall be sent to the Regional Board monthly. The Self-Monitoring Report will be a combined report of the producer and the users, the producer is responsible for submittal. The producer shall furnish an appropriate copy of the self-monitoring report submitted to the Regional Board to each user.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 77-31.
2. Was originally ordered by the Executive Officer 18 May 1976, became effective immediately, and is hereby ordered further revised April 19, 1977, effective immediately.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

Date Ordered April 19, 1977